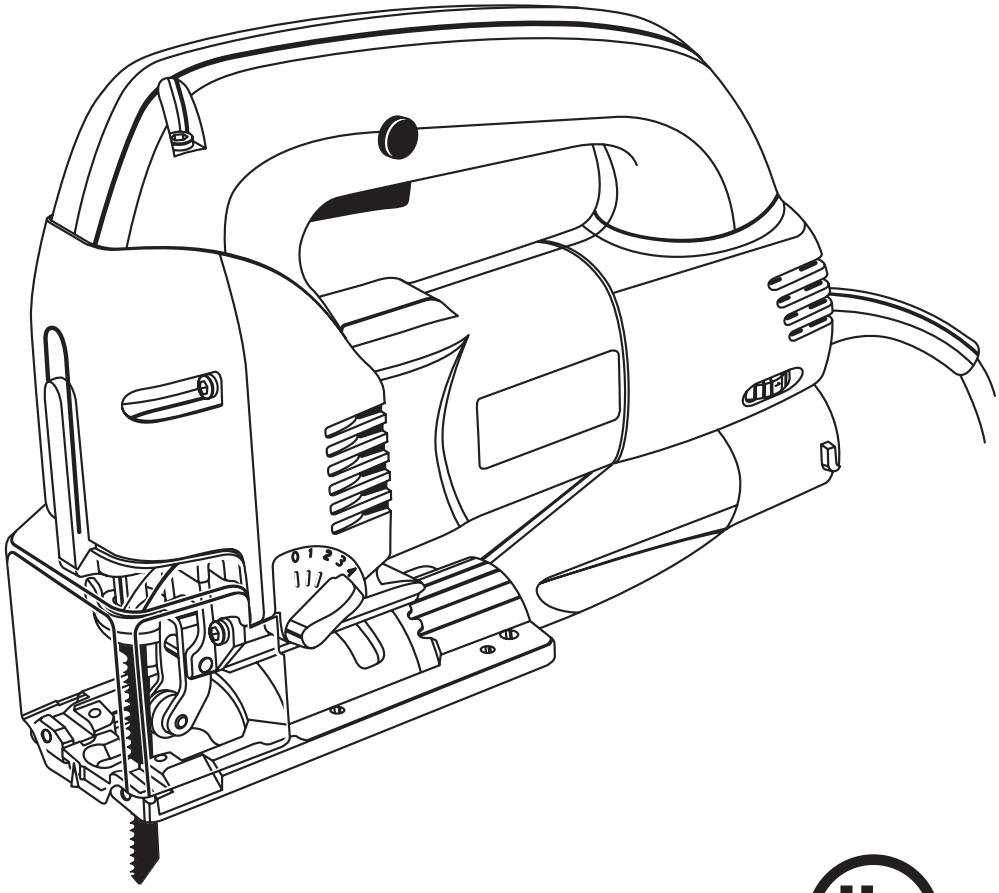
OPERATOR'S MANUAL

ORBITAL JIG SAW

DOUBLE INSULATED
VARIABLE SPEED

R3120



Your jig saw has been engineered and manufactured to our high standards for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ WARNING:
To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a RIDGID product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

This tool has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

⚠ WARNING:
Do not attempt to use this product until you thoroughly read and completely understand the operator's manual. Pay close attention to the safety rules, including Dangers, Warnings, and Cautions. If you use your product properly and only as intended, you will enjoy years of safe, reliable service.

Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

⚠ WARNING:

The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.

GENERAL SAFETY RULES

⚠ WARNING:
Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation ⧈ eliminates the need for the three-wire grounded power cord and grounded power supply system.
- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
- **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- **Use safety equipment. Always wear eye protection.** Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- **Do not wear loose clothing or jewelry. Contain long hair.** Loose clothes, jewelry, or long hair can be drawn into air vents.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.

TOOL USE AND CARE

- **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- **Store idle tools out of the reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
- **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.
- **Keep the tool and its handle dry, clean and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your tool. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.

GENERAL SAFETY RULES

Service

- **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

- **Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

Additional Safety Rules

- **Know your power tool. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Always wear safety glasses. Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.** Following this rule will reduce the risk of serious personal injury.
- **Protect your lungs. Wear a face or dust mask if the operation is dusty.** Following this rule will reduce the risk of serious personal injury.
- **Protect your hearing. Wear hearing protection during extended periods of operation.** Following this rule will reduce the risk of serious personal injury.
- **Inspect tool cords periodically and, if damaged, have repaired at your nearest Authorized Service Center. Constantly stay aware of cord location.** Following this rule will reduce the risk of electric shock or fire.
- **Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center.** Following this rule will reduce the risk of shock, fire, or serious injury.
- **Do not abuse cord. Never carry the tool by the cord or yank it to disconnect it from the receptacle. Keep cord away from heat, oil, and sharp edges.** Following this rule will reduce the risk of electric shock or fire.
- **Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. A wire gage size (A.W.G.) of at least 16 is recommended for an extension cord 50 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.** An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- **Inspect for and remove all nails from lumber before using this tool.** Following this rule will reduce the risk of serious personal injury.
- **Drugs, alcohol, medication. Do not operate tool while under the influence of drugs, alcohol, or any medication.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

⚠ WARNING:

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SAVE THESE INSTRUCTIONS

SYMBOLS

Important: Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
⎓	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
⧈	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
	Safety Alert	Precautions that involve your safety
	Read The Operator's Manual	The manual contains special messages to bring attention to potential safety concerns and machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.
	Eye Protection	Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.
	Wet Conditions Alert	Do not expose to rain or use in damp locations

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

DANGER: Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

WARNING: Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices that may cause property damage.

Note: Advises you of additional information concerning the operation or maintenance of the equipment.

SPECIFICATIONS

Input..... 120 Volts, 60 Hz, AC Only, 6.0 amperes
No load speed ..... 1,000-3,000/min.
Stroke Length .....1 in.
Orbital Settings..... 5
Net Weight .....5.7 lbs. (2.6 kg.)

ELECTRICAL

DOUBLE INSULATION

Double insulation is a concept in safety in electric power tools, which eliminates the need for the usual three-wire grounded power cord. All exposed metal parts are isolated from the internal metal motor components with protecting insulation. Double insulated tools do not need to be grounded.

⚠ WARNING:
The double insulated system is intended to protect the user from shock resulting from a break in the tool's internal insulation. Observe all normal safety precautions to avoid electrical shock.

Important: Servicing of a tool with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service, we suggest you return the tool to your nearest authorized service center for repair. Always use original factory replacement parts when servicing.

ELECTRICAL CONNECTION

The orbital Jig Saw has a precision-built electric motor. **It should be connected to a power supply that is 120 volts, 60 Hz, AC only (normal household current).** Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If your tool does not operate when plugged into an outlet, double-check the power supply.

EXTENSION CORDS

When using a power tool at a considerable distance from a power source, be sure to use an extension cord that has the capacity to handle the current the tool will draw. An undersized cord will cause a drop in line voltage, resulting in overheating and loss of power. Use the chart to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

When working outdoors with a tool, use an extension cord that is designed for outside use. This type of cord is descignated with "WA" on the cord's jacket.

Before using any extension cord, inspect it for loose or exposed wires and cut or worn insulation.

**Ampere rating (on tool faceplate)	0-2.0	2.1-3.4	3.5-5.0	5.1-7.0	7.1-12.0	12.1-16.0
Cord Length	**Wire Size (A.W.G.)**					
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	—

**Used on 12 gauge - 20 amp circuit.

⚠ CAUTION:
Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools or other obstructions while you are working with a power tool.

⚠ WARNING:
Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

UNPACKING

INSTRUCTIONS

This tool has been shipped completely assembled except for the blade.

- Carefully remove the tool and accessories from the box.
- Make sure that all items listed in the packing list are included.
- Inspect the tool carefullshy to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-866-539-1710 for assistance.

PACKING LIST

Variable Speed Orbital Jig Saw

Bi-metal blades (3)

Vacuum adaptor

Anti-splintering insert

Hex Key

Case

Operator's Manual

⚠ WARNING:

If any parts are missing do not operate your tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

⚠ WARNING:

The orbital jig saw should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the tool is not in use. Disconnecting the tool will prevent accidental starting that could cause serious injury.

APPLICATIONS

You may use the orbital jig saw for the purposes listed below:

- Sawing non-ferrous metal, sheet steel, wood, plastic, and similar materials.

FEATURES

Before using the orbital jig saw, familiarize yourself with all operating features and safety requirements. However, do not let familiarity with the tool make you careless.

⚠ WARNING:

Exercise caution when using this tool. Careless actions, for even a fraction of a second, can result in serious personal injury.

Your new orbital saw is equipped with the following features. *See Figure 1*.

Switch

The orbital jig saw has a conveniently-located trigger switch.

Lock-On Button

The lock-on button allows continuous operation.

Recessed Blade-Support Roller

Recessed blade-support roller ensures accurate cutting. Five-position adjustable orbital saw-blade movement to ensure high cutting performance. Hard-wearing die-cast aluminum casing with good heat dissipation properties to protect against overheating.

Chip Shield

A clear plastic chip shield has be provided on the front of your saw for protection against flying dust and chips. It is designed to fit the front opening of your saw. **For your protection, do not use saw without chip shield properly in place.**

Vacuum Attachment

A vacuum attachment is packed with your saw. Used in conjunction with the chip shield, it will yield the highest dust efficiency. This attachment is convenient when operating your saw for an extended period of time.

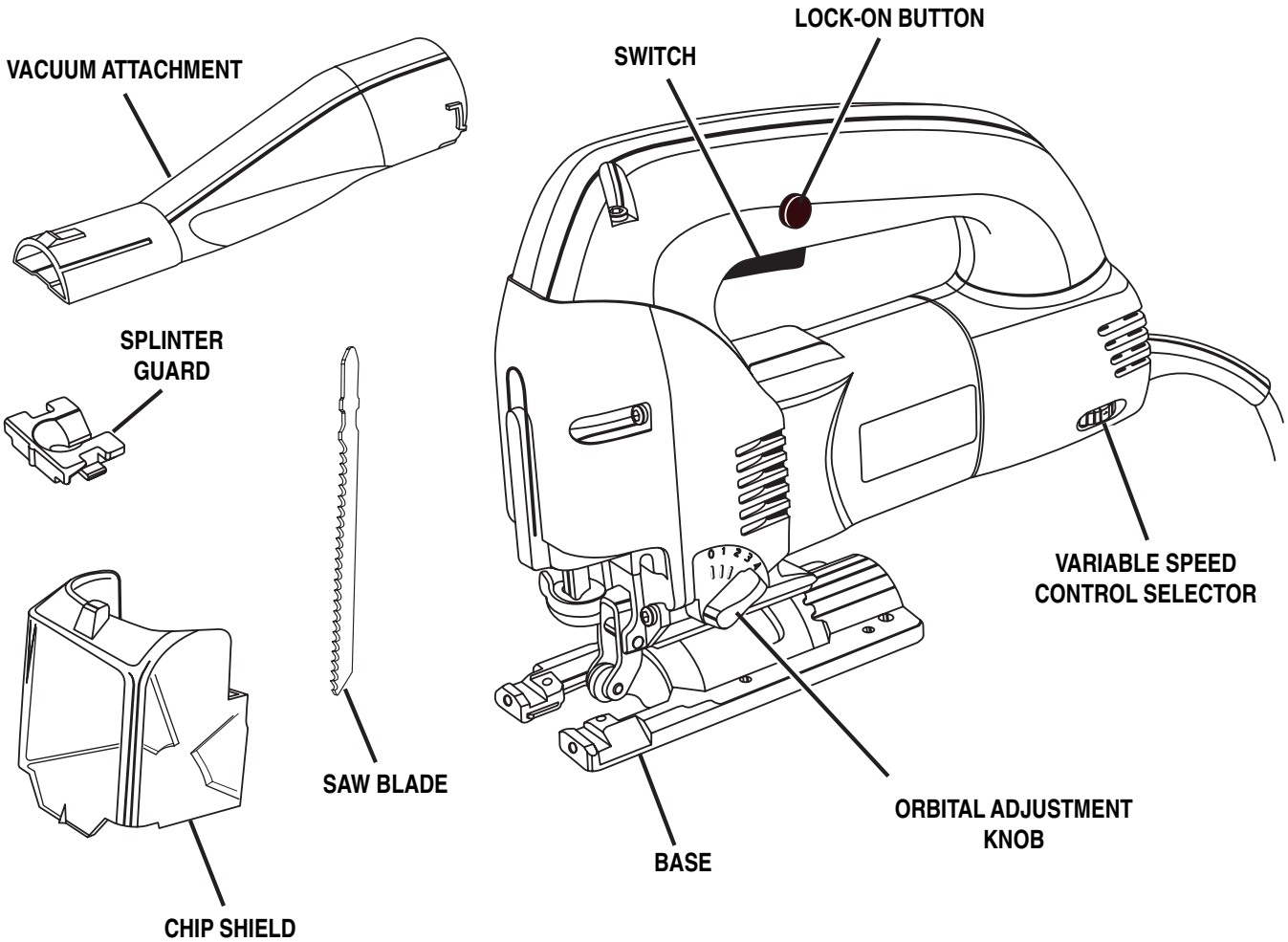

Fig. 1

ASSEMBLY

⚠ WARNING:
The tool should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the tool is not in use. Disconnecting the tool will prevent accidental starting that could cause serious injury.

This saw has been shipped completely assembled except for the blade. Inspect it carefully to make sure no breakage or damage has occurred during shipping. If any parts are damaged or missing, contact your nearest retail store to obtain replacement parts before attempting to operate saw. A blade, vacuum attachment, and this owners manual are also included.

⚠ WARNING:
If any parts are missing, do not operate this tool until the missing parts are replaced. Failure to unplug your saw could result in accidental starting causing possible serious injury.

To Install Jig Saw Blades

See Figure 2.

- Unplug your saw.
- Remove the chip shield and the splinter guard by sliding it forward.
- Push the clamping lever on the rapid-change clamp until it stops.
- Holding the clamping lever open, insert the saw blade as far as possible into the slot in the saw bar.
- Check to make sure the back of the saw blade is centered in the groove of the roller guide.
- Release the clamping lever. Make sure the blade is securely in place.
- Replace the chip shield. Replace the splinter guard, if applicable.

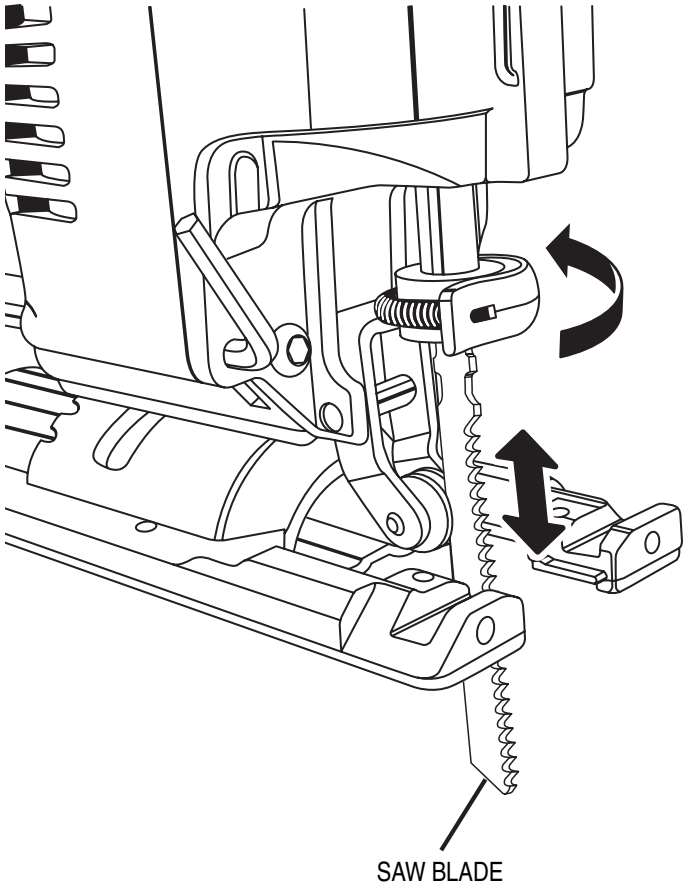

Fig. 2

OPERATION

⚠ WARNING:
The tool should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the tool is not in use. Disconnecting the tool will prevent accidental starting that could cause serious injury.

⚠ WARNING:
Always wear safety goggles or safety glasses with side shields when operating this tool. Failure to do so could result in dust, shavings, or loose particles being thrown into your eyes, resulting in possible serious injury.

⚠ WARNING:
To avoid serious personal injury, do not use saw without chip shield properly in place.

Switch

See Figure 3.

To turn the saw **ON**, depress the switch trigger. Release switch trigger to turn the saw **OFF.**

Lock-On Button

See Figure 3.

The saw is equipped with a **lock-on** feature, which is convenient when continuous cutting for extended periods of time is required. **To lock-on**, depress the switch trigger, push in and hold the lock-on button located on the side of the handle, then release switch trigger. Release lock-on button and your saw will continue running.

To release the lock, depress the switch trigger and release.

If you have the lock-on feature engaged during use and your saw becomes disconnected from power supply, disengage the lock-on feature immediately.

⚠ WARNING:
Before connecting the saw to power supply source, always check to be sure it is not in lock-on position (depress and release switch trigger). Failure to do so could result in accidental starting of the saw resulting in possible serious injury. Also, do not lock the trigger on jobs where the saw may need to be stopped suddenly.

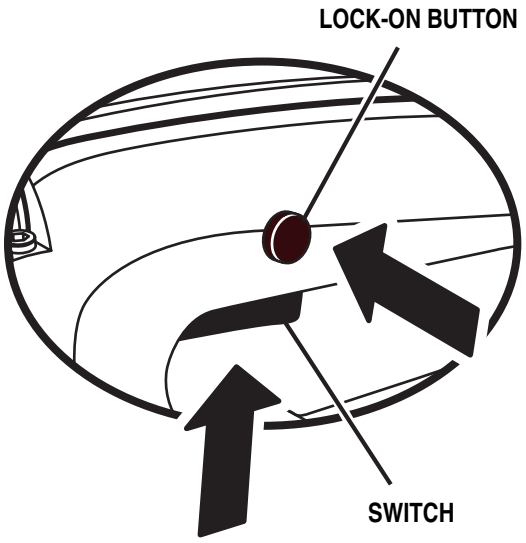

Fig. 3

OPERATION

Splinter-Free Cutting

See Figure 4.

This saw has a splinter guard to permit splinter-free cutting. It is especially useful when cutting plywood. This feature should only be used when making straight cuts or circle cuts. It is not for bevel cutting or plunge cutting.

Note: The non-orbital setting also helps reduce splintering when cutting plywood.

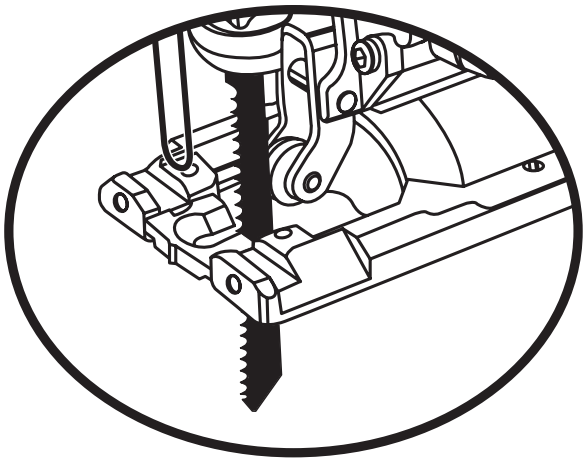

Fig.4

Variable Speed

See Figure 5.

The saw has a variable speed control selector designed to allow operator control and adjustment of speed and power limits. The speed and power of your saw can be increased or decreased by rotating the variable speed control selector in the direction of the arrows shown in figure 5.

Note: Hold the saw in normal operating position and turn the variable speed control selector to the higher numbers to increase speed and power. Turn to the lower numbers to decrease speed and power.

If you desire to lock the switch on at a given speed, depress the switch trigger, push in and hold the lock-on button, and release the switch trigger. Next, adjust the variable speed control selector until the desired speed is reached.

Note: If you desire not to use the variable speed control selector, turn it to Setting 6. This will allow the speed of the saw to be controlled by the amount of switch trigger depression.

Avoid running your saw at low speeds for extended periods of time. Running at low speeds under constant usage may cause your saw to become overheated. If this occurs, cool your saw by running it without a load and at full speed.

The following guidelines may be used in determining correct speed for various applications:

LOW speed (Settings 1 and 2) is ideal when minimum speed and power is required, for example, starting cuts.

MEDIUM speed (Settings 3 and 4) is suitable for cutting hard metals, plastics, and laminates.

HIGH speed (Settings 5 and 6) produces best results when maximum power is required, for example, cutting wood. Soft metals such as aluminum, brass, and copper may also require high speeds.

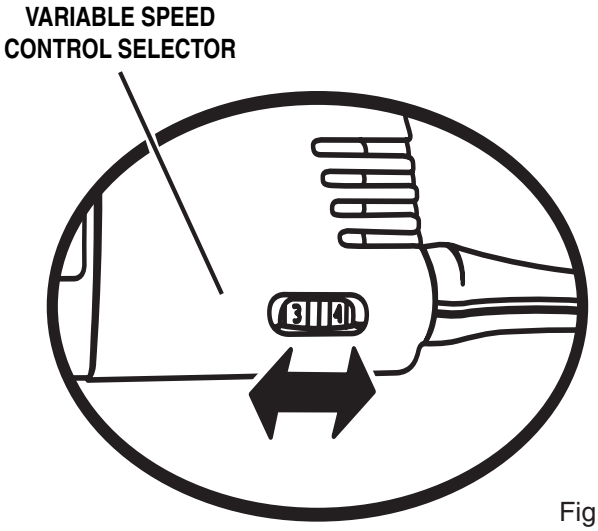

Fig. 5

OPERATION

Hex Key Storage

Insert hex key into storage area when not in use. It is located on the right front of your saw as shown in figure 6.

⚠ WARNING:
Do not insert saw blade or hex key into air vents. They could come in contact with electrically live internal parts, and cause electrical shock resulting in serious injury.

⚠ WARNING:
To avoid serious personal injury, do not use saw without chip shield properly in place.

General Cutting

See Figure 7.

Rest the front of the saw base on the workpiece and align cutting edge of the blade with the line on your workpiece. Make sure the power cord is out of your way and not in the line of cut. Start your saw and move it forward on the work surface. Apply downward pressure to keep the saw steady and only enough forward pressure to keep the blade cutting.

Do Not Force The Saw

Forcing your saw may overheat the motor and break saw blades.

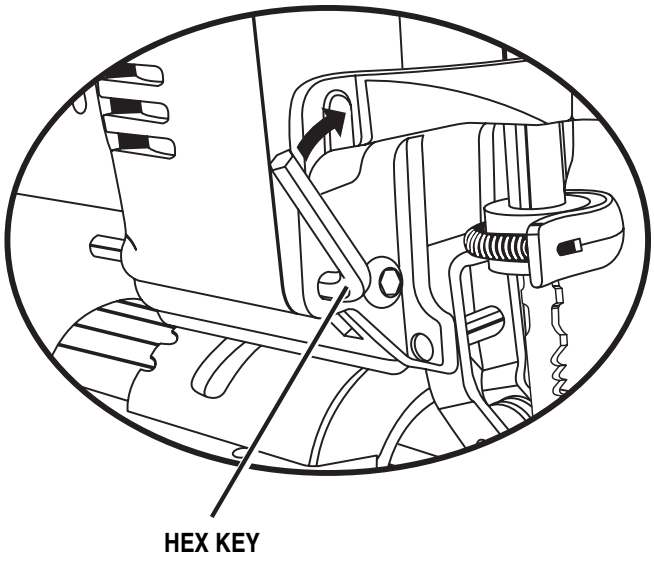

Fig. 6

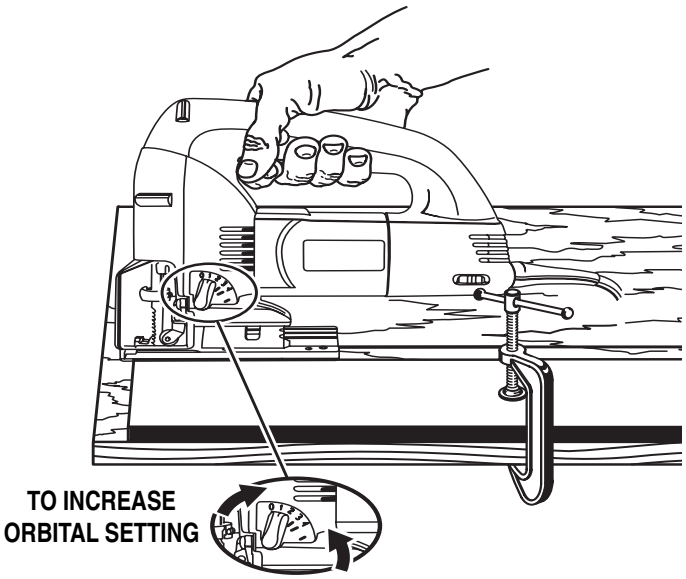

Fig. 7

OPERATION

Orbital Motion

See Figure 8.

The blade of the saw cuts in orbital motion. This feature is adjustable and provides faster, more efficient cutting. With orbital motion the blade cuts through your work in the upstroke but does not drag across your work in the downstroke. The “0” setting should be used when fast cutting in soft material is desired. The higher settings (3,4) should be used when cutting materials with more resistance.

Straight Cut

See Figure 9.

A straight cut can be made by clamping a piece of wood or straightedge to the workpiece and guiding the edge of the saw against it. Make the cut from one direction only. Don't cut halfway and complete the cut from the opposite end.

Scroll Cutting

See Figure 10.

Scroll cuts can be made with the saw by guiding the direction of the cut with applied pressure on the handle as shown in figure 10.

⚠ WARNING:
To avoid possible serious injury, keep hands and fingers from between the gear housing and saw blade clamp, and keep the chip shield in place.

⚠ WARNING:
Excessive side pressure to the blade could result in broken blades or damage to the material being cut.

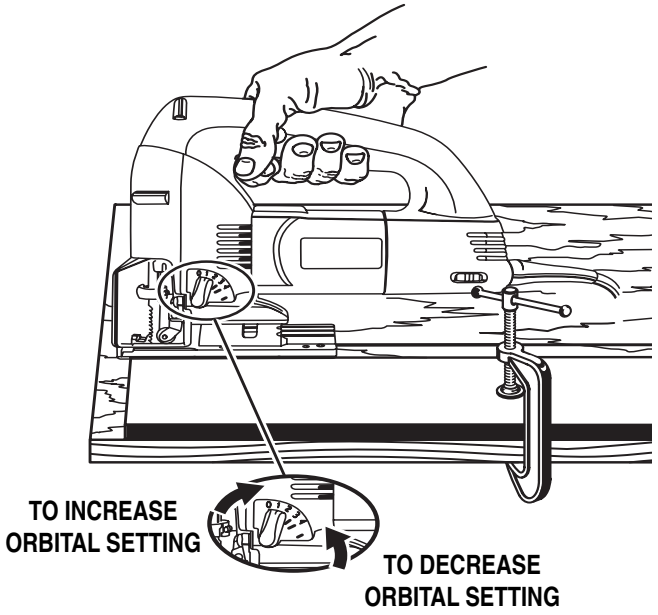

Fig. 8

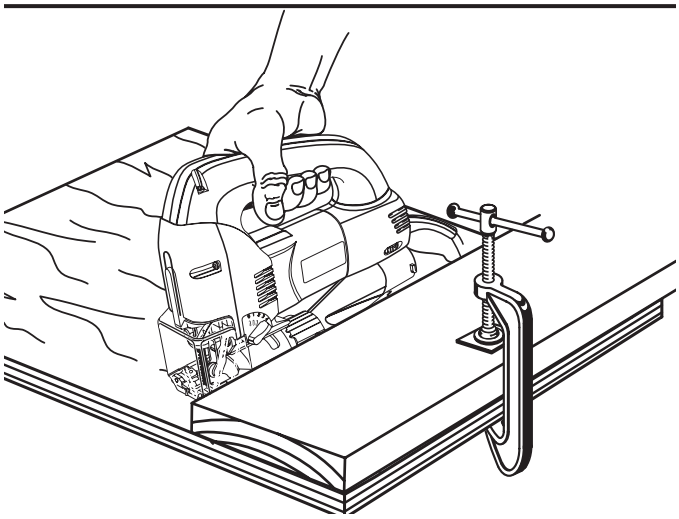

Fig. 9

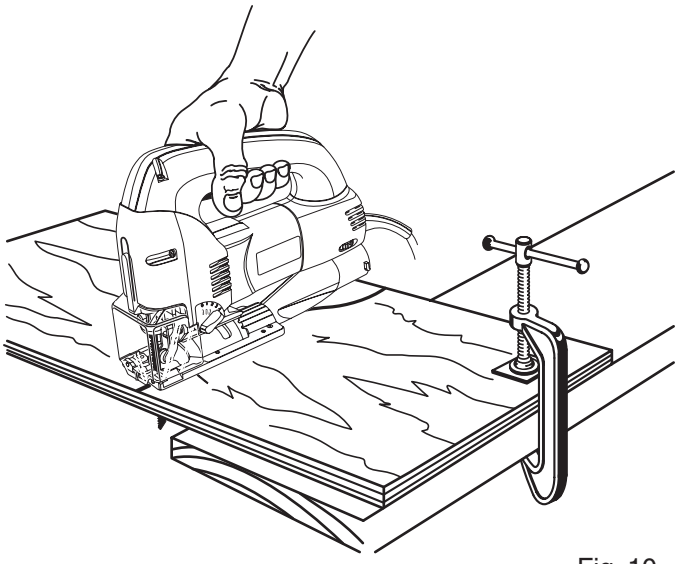

Fig. 10

OPERATION

Angle Cutting (Bevel Cutting)

See Figures 11 and 12.

Bevel cutting angles may be adjusted from 0° to 45° right or left. Angles for cuts from 0° to 45° in 15° increments are marked on a scale on both the left and right side of the base. Notches on the rear of the base provide positive stops at each of the above mentioned 15° increments. A protractor is recommended when accurate cuts are required.

For angle cutting, first remove the splinter guard.

- Using the 1/8 in. hex key provided, loosen the base pivot screw until the base can be moved.
- Slide base forward slightly until base pivot screw can move freely in slots in base. *See Figure 11.*
  Note: Clamp plate should always be in full rear position, as shown in figure 11.
- Align the mark, on the base, of the desired angle with the edge of the motor housing.
- Once the desired angle is reached, slide base back until tab on motor housing aligns with the appropriate notch on rear of base. *See Figure 12.*

  Note: When making a set-up for accurate cuts with a protractor, or for angles other than the preset 15° increments, the positive stop notches on the rear of the base are not used.
- Tighten the base pivot screw securely.
- Return hex key to storage area.

  Note: The wide slot in the base must be used when making bevel cuts, scroll cuts, plunge cuts, and when cutting metal.

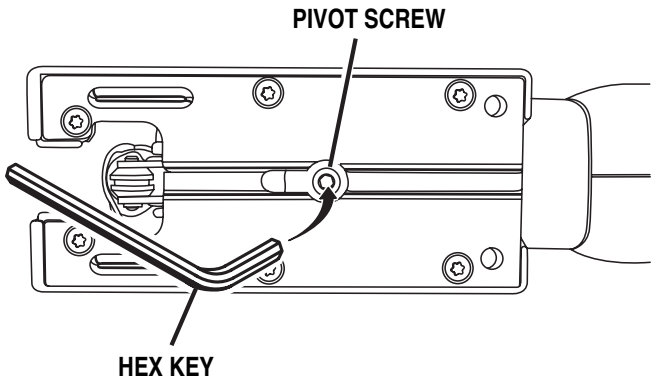

Fig. 11

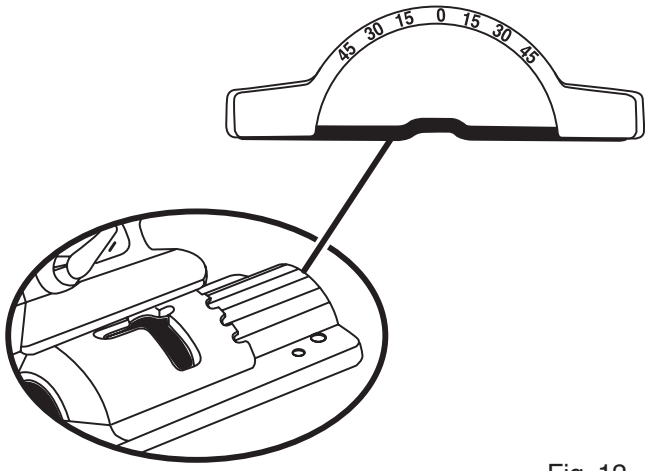

Fig. 12

OPERATION

Plunge Cutting

See Figure 13, 14 and 15.

⚠ WARNING:
To avoid loss of control, broken blades, or damage to the material being cut, always use extreme caution when making plunge cuts. We do not recommend plunge cutting on materials other than wood.

To Make A Plunge Cut

- Mark the line of cut clearly on the workpiece.
- Set the orbit adjustment to “0”.
- Tilt the saw forward so that it rests on the front edge of the base and blade will not come in contact with the workpiece when the saw is turned on.
- Make sure the blade is inside the area to be cut.
- Using high speed, start the saw and slowly lower the blade into the workpiece until the blade cuts through the wood. *See Figure 13.*
- Continue lowering the blade into the workpiece until the base rests flat on the work surface, then move the saw forward to complete the opening.
- Use only the 7 teeth per inch blade for this type of cut.

Metal Cutting

Many kinds of metals can be cut with the saw. Be careful not to twist or bend the blades. **Do not force.** If the blade chatters or vibrates excessively, use a finer-tooth metal-cutting blade. If blade heats excessively, use lower speed. If blade teeth become filled or clogged when cutting soft metals, such as aluminum, use a coarser-tooth blade or lower speed. We recommend use of oil when cutting metals to keep blades cool, increase cutting action, and prolong blade life. Clamp the work firmly and saw close to the clamping point to eliminate any vibration of the work being cut.

When cutting conduit, pipe or angle iron, clamp work in a vise if possible and saw close to the vise. To cut thin sheet materials, "sandwich" the material between hardboard or plywood and clamp the layers to eliminate vibration and material tearing. By doing this, the material will be cut smoothly. Lay out your pattern or line of cut on top of the "sandwich."

Important: When cutting metal, keep exposed portion of saw bar clean and free of metal chips by wiping frequently with an oily cloth. Use extreme caution in disposing of oily cloth after completion of job to prevent potential fire hazard.

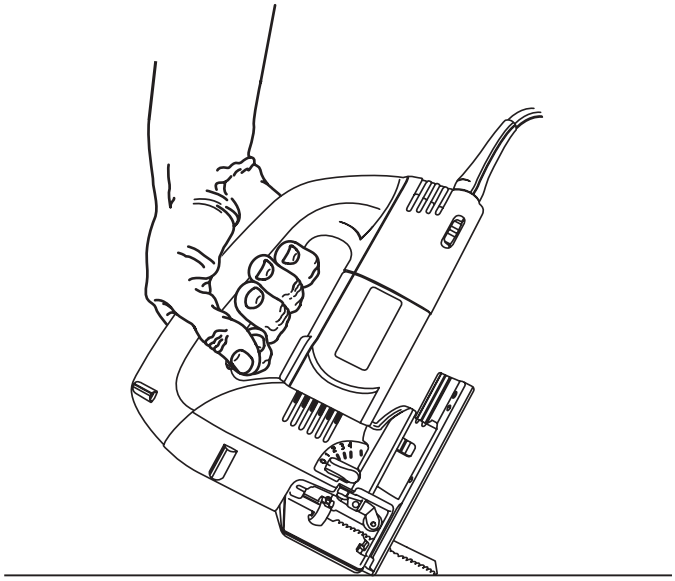

Fig. 13

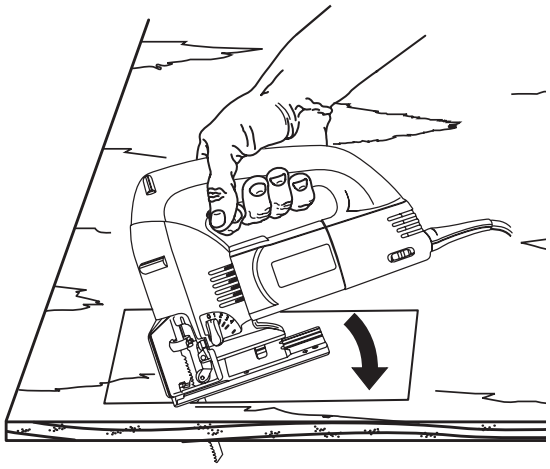

Fig. 14

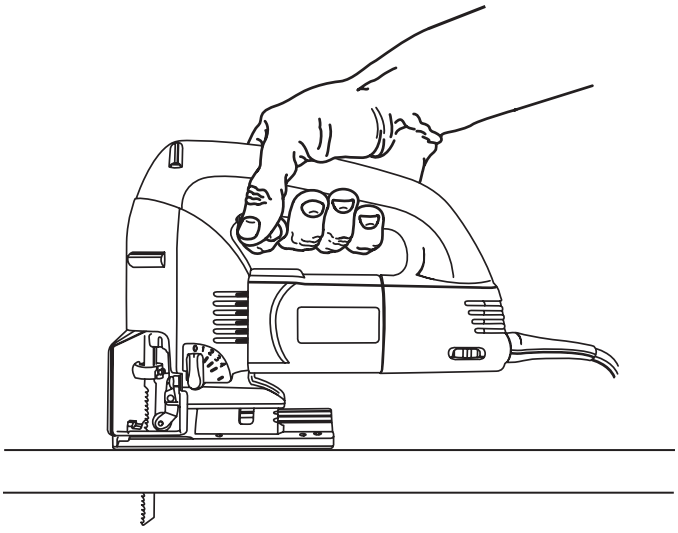

Fig. 15

OPERATION

Dustless Feature

See Figure 16.

For dustless operation, a vacuum attachment has been provided with the saw. It attaches to the saw base.

⚠ WARNING:

The jig saw should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the tool is not in use. Disconnecting the tool will prevent accidental starting that could cause serious injury.

To Install:

- Unplug the saw.
- Slide the vacuum attachment into the curved area at the rear of the base.

To Remove:

- Unplug the saw.
- Remove the vacuum attachment by pulling attachment from base.

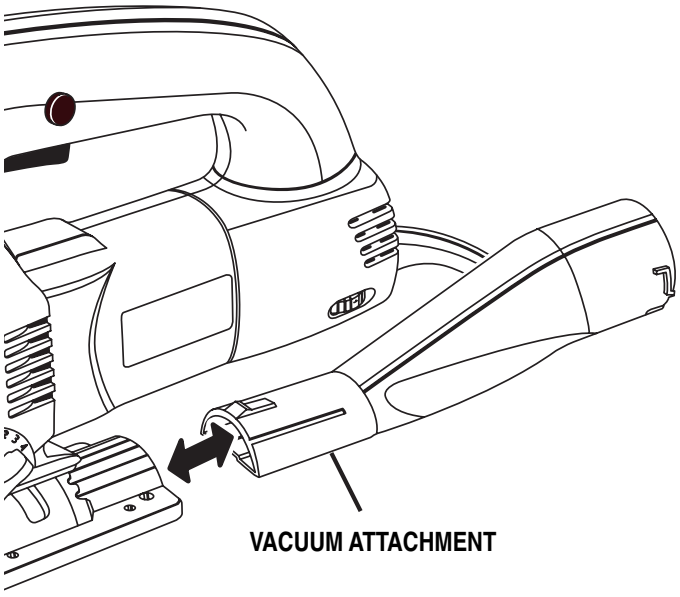

Fig. 16

MAINTENANCE

⚠ WARNING:
When servicing use only identical RIDGID® replacement parts. Use of any other parts may create a hazard or cause product damage.

⚠ WARNING:
The tool should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the tool is not in use. Disconnecting the tool will prevent accidental starting that could cause serious injury.

General

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

⚠ WARNING:
Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommended using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

⚠ WARNING:
Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

Lubrication

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.

NOTES

WARRANTY

RIDGID® HAND HELD AND STATIONARY POWER TOOL LIMITED THREE YEAR WARRANTY AND 90-DAY SATISFACTION GUARANTEE POLICY

This product is manufactured by One World Technologies, Inc., under a trademark license from Ridgid, Inc. All warranty communications should be directed to One World Technologies, Inc., attn: RIDGID handheld and stationary power tool technical service at (toll free) 1-866-539-1710.

90-DAY SATISFACTION GUARANTEE POLICY

During the first 90 days after the date of purchase, if you are dissatisfied with the performance of this RIDGID tool for any reason you may return the tool to the dealer from which it was purchased for a full refund or exchange. To receive a replacement tool you must present proof of purchase and return all original equipment packaged with the original product. The replacement tool will be covered by the limited warranty for the balance of the three year warranty period.

WHAT IS COVERED UNDER THE LIMITED THREE YEAR WARRANTY

This warranty covers all defects in workmanship or materials in this RIDGID tool for the three year period from the date of purchase. This warranty is specific to this tool. Warranties for other RIDGID products may vary.

HOW TO OBTAIN SERVICE

To obtain service for this RIDGID tool you must return it, freight prepaid, to an authorized RIDGID service center for hand held and stationary power tools. You may obtain the location of the authorized service center nearest you by calling (toll free) 1-866-539-1710 or by logging on to the RIDGID website at www.ridgid.com. When requesting warranty service, you must present the proof of purchase documentation, which includes a date of purchase. The authorized service center will repair any faulty workmanship, and either repair or replace any defective part, at our option at no charge to you.

WHAT IS NOT COVERED

This warranty applies only to the original purchaser at retail and may not be transferred. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse, neglect, alteration, modification or repair by other than an authorized service center for RIDGID branded hand held and stationary power tools. **RIDGID, INC. AND ONE WORLD TECHNOLOGIES, INC. MAKE NO WARRANTIES, REPRESENTATIONS OR PROMISES AS TO THE QUALITY OR PERFORMANCE OF ITS POWER TOOLS OTHER THAN THOSE SPECIFICALLY STATED IN THIS WARRANTY.**

ADDITIONAL LIMITATIONS

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, that cannot be disclaimed under state law are limited to three years from the date of purchase. One World Technologies, Inc. is not responsible for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

One World Technologies, Inc.
Hwy. 8
Pickens, SC 29671

OPERATOR'S MANUAL

ORBITAL JIG SAW

DOUBLE INSULATED VARIABLE SPEED

R3120

Customer Service Information

For parts or service, contact your nearest RIDGID authorized service center. Be sure to provide all relevant information when you call or visit. For the location of the authorized service center nearest you, please call 1-866-539-1710 or visit us online at www.ridgid.com.

The model number of this tool is found on a plate attached to the motor housing. Please record the serial number in the space provided below. When ordering repair parts, always give the following information:

Model No. R3120

Serial No. _____

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